

CAT
OKEE

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Specialty: Taxonomy of fam. Membracidae.

Biology of the Membracidae of the Cayuga Lake Basin. 1916
Ph.D. thesis - 1916 F982 I & II. Ent Libe.



Reptiles of the Okefinokee.

lizards, Turtles, Alligators, Crocodiles.

W. D. F.

Note:

The following is a catalogue of the specimens of lizards, turtles and alligators collected in the Okefenokee Swamp by the members of the Cornell Expedition during the summer of 1912 and those specimens afterward received from the Lees, collected from July 15 to Nov. 15, 1913.

Unfortunately the numbers are not in all cases consecutive but all specimens of one species are grouped together, irrespective of numbers.

W. D. Finkbeiner

Okefinoke Lizards

No. 6311

Head black above median dorsal line. Not a regular stripe.
 Front supra-orbital plate a broadish pentagonal plate not longer than
 greatest snout from tip. Superior marginal plates of orbit 6.
 Does not show small plate between frontoparietals as in *Crotaphytus*.
 This figure however and the figure of the anal
 plate does not conform to his description with which
 the specimen agrees very well.

Measurements: Total length - 105 mm. Length of hind leg - 41 mm.
 Length to height of snout - 21 mm. Length of hind foot - 21 mm.
 Length to collar - 16 mm. Width of head - 7 mm.
 Length to middle - 24 mm.
 Length to eye - 13 mm.
 Length of forelimb - 20 mm.
 Length of hind foot - 7 mm.

Cnemidophorus sexlineatus Linn.

No. 6311

Locality - Billy's Island. June 25, 1912

Dorsal pale streak down median dorsal line. Not a regular stripe. First supra-orbital plate subdivided. Frontoparietals not larger than parietals. Femoral pores 15. Superior marginal plates of orbit 6.

Does not show small plate between frontoparietals as in Cope's figure. This figure, however, and the figure of the anal plate does not conform to his description with which this specimen agrees very well.

Measurements: Total length - 185 mm.
Length to angle of mandible -
Length to collar - 18 mm.
Length to axilla - 24 mm
Length to vent - 58 mm.
Length of forelimb - 20 mm.

Length of hindleg - 41 mm.
Length of hindfoot - 21 mm.
Width of head - 9 mm.

Cnemidophorus sexlineatus Lin.

No. 6312

Locality - Billy's Island June 3, 1912.

Front supraorbital plate very slightly subdivided. Frontoparietals larger than parietals. Femoral pores 15. Superior marginal plates of orbit 5, second very long. No plate between frontoparietals. Inferior orbitals 4. Superior labials 5. One anal plate bordered posteriorly by 8 smaller ones.

Measurements:

Total length - 135

Length to angle of mandible -

Length to collar - 14

Length to axilla - 20

Length to vent - 47

Length of forelimb - 16

Length of forefoot - $5\frac{1}{2}$

Length of hindleg - 47

Length of hindfoot - 29

Width of head - 7

Cnemidophorus sexlineatus Linn.

No. 6313

Locality - Billy's Island, June 3, 1912.

Front supraorbital plate not subdivided. Frontoparietals not larger than parietals. Femoral pores 16. Superior marginal plates of orbit 5, second very long. No plate between frontoparietals. Inferior orbitals 4. Superior labials 7, agreeing with Cope's figure. 3 anal plates, two posterior to the other. This specimen has lost its tail 16 mm. from vent and a new one, very small, slender, 17 mm. long has grown out. This new tail is without markings. The right hind foot has also been injured, the third & fourth toes being gone.

Measurements:

Total length - 84
Length to angle of mandible -
Length to collar - 15

Length to apilla - 21
Length to vent - 51
Length of forelimb - 19
Length of forefoot - 8

Length of hindleg - 40
Length of hindfoot - 20
Width of head - 9

Enemidophorus setlineatus Linn.

Locality - Billy's Island. June 11, 1913.

First supraorbital plate not subdivided. Frontoparietals about subequal to parietals. Temporal pores 15. Superior marginal plates of orbit 6. No plate between frontoparietals. Superior orbitals 3. Superior labials 5. Anal plates normal. This specimen has lost its tail 12 mm. from vent and is injured on the side of tail just posterior to vent. Injury is recent - probably when captured - and no new one is noticeable.

Measurements:

Total length - 73

Length to angle of mandible -

Length to collar - 16

Length to apilla - 22

Length of foreleg - 22

Length of forefoot - 9

Length of hindleg - 39

Length of hindfoot - 19

Width of head - 8

Length to vent - 61

Cnemidophorus sexlineatus Lin.

Locality - Billy's Island June 28, 29, 1912.

First supraorbital plate not subdivided. Frontoparietals longer than parietals. Femoral pores 15. Superior marginal plates of orbit 4. Superior orbitals 3. Superior labials 5. Anal plates normal.

Measurements:

Total length - 145
Length to angle of mandible -
Length to collar - 14
Length to axilla - 22
Length to vent - 48
Length of foreleg - 18
Length of forefoot - 8

Length of hindleg - 41
Length of hindfoot - 21
Width of head - 9

No. 6316
Cnemidophorus sphenotaenus Linn.

Locality.- Honey Island. May, 29, 1912.

First supraorbital plate not subdivided but a very small plate between first & second at external margin. Frontoparietals smaller than parietals. Interparietal deeply cleft posteriorly. Frontal slightly three-ridged. 5 distinct plates just posterior to parietals & interparietal. Femoral pores 16. Superior marginal plates of orbits 5. Superior orbitals 4. Superior labials 6. Anal plates normal.

Measurements:

Total length - 197

Length to angle of mandible -

Length to collar - 19

Length to axilla - 26

Length to vent - 64

Length of foreleg - 23

Length of forefoot - 10

Length of hindleg - 48

Length of hindfoot - 24

Width of head - 11

Cnemidophorus sexlineatus Lin.

No. 6317

Locality - Billie's Island, June 18-20, 1912.

First supraorbital plate not subdivided but exactly as described by Cope. Frontoparietals smaller than parietals. Frontal very slightly three-ridged. Parietals and interparietal bounded posteriorly by a double row of small plates - 8 in first row and four in second. Femoral pores 15. Superior marginal plates of orbit 5. Superior orbitals 5. Superior labials 5. Anal plates normal. This specimen seems to be very close to Cope's description in every respect. Tail is broken off 70 cm. from anus. Very blue on throat.

Measurements:

Total length - 150

Length to collar - 20

Length to axilla - 27

Length to vent - 67

Length of foreleg - 27

Length of forefoot - 12

Length of hindleg - 47

Length of hindfoot - 25

Width of head - 12

Cnemidophorus sexlineatus Lin.

No. 6318

Locality - Billy's Island. June 1, 1912.

First supraorbital plate subdivided and very narrow. Frontoparietals slightly smaller than parietals. Frontal three-ridged. 6 plates posterior to parietals and interparietals. Femoral pores 15. Superior marginal plates of orbit 5. Inferior orbitals 4, first large. Superior labials 6. Long fang of upper jaw protrudes to lower margin of lower jaw. (Or tongue). Anal plates normal.

Measurements:

Total length - 177
Length to collar - 19
Length to apical - 26
Length to vent - 66
Length of foreleg - 24

Length of forefoot - 9
Length of hindleg - 46
Length of hindfoot - 23
Width of head - 11

Cnemidophorus sexlineatus Linn.

No. 6319.

Locality - Bielz's Island. June 1, 1912.

First supraorbital plate not subdivided. Frontoparietals slightly smaller than parietals. Frontal deeply three-ridged. Interparietal flat. Plates posterior to parietals and interparietal not prominent. Vomer 14. Superior marginal plates of orbit 5, the last slightly subdivided. Inferior orbitals 5, the first 3 ridged the last two rounded. Superior labials 5. Only 2 anal plates, one anterior and one posterior.

Measurements:

Total length - 164
Length to collar - 15
Length to axilla - 23
Length to vent - 52

Length of foreleg - 19
Length of forefoot - 9
Length of hindleg - 40
Length of hindfoot - 21
Width of head - 9

Cnemidophorus setlineatus Lin.

No. 6320

Locality - Billy's Island, June 6, 1912.

First supraorbital subdivided, the division laterally very small. Frontoparietals very slightly smaller than parietals. Frontal slightly three ridged. Interparietal concave anteriorly. 6 distinct small plates posterior to parietals. Femoral pores 15. Superior marginal plates of orbit 6, the second very small. Superior orbitals 5, the first 3 ciliate the others rounded. Superior labials 5. Anal plates normal. Pale streak down median dorsal line, very faint.

Measurements:

Total length - 149

Length to collar - 16

Length to axilla - 21

Length to vent - 55

Length of foreleg - 20

Length of forefoot - 8

Length of hindleg - 39

Length of hindfoot - 20

Width of head - 8

Cnemidophorus repleatus Linn.

No. 6321

Locality - Billy's Island, June 6, 1912.

Mutilated specimen. Tail broken off 50 mm. from vent. First supra-orbital divided the lateral plate very small. Frontoparietals very slightly smaller than parietals. Frontal obsoletely three-ridged. Interparietal with a marginal indentation. Plates posterior to parietals very irregular, small and indistinct. Femoral pores 15. Superior marginal plates of orbit 3. Superior orbitals 4. Superior labials 5. Anal plates 3 in a longitudinal row, each plate bordered on each side by a small one. This specimen varies most remarkably from the normal.

Measurements:

Total length - 104

Length to collar - 14

Length to apical - 20

Length to vent - 53

Length of foreleg - 19

Length of forefoot - 8

Length of hindleg - 40

Length of hindfoot - 21

Width of head - 8

Cnemidophorus sexlineatus Linn.

No. 6322.

Locality - Biely's Island. June 6, 1912.

Front supraorbital 3-divided, a small plate latero-caudad of each side. Frontoparietals subequal to parietals. Frontal obsoletely 3-ridged. Interparietal nearly flat. An irregular row of 7 plates posterior to parietals. Femoral pores 15. Superior marginal plates of orbit 4. Superior labials 5. Superior orbitals 4, the second very long. Anal plates normal.

Measurements:

Total length - 143

Length to collar - 12

Length to axilla - 17

Length to vent - 43

Length of foreleg - 15

Length of forefoot - 8

Length of hindleg - 33

Length of hindfoot - 16

Width of head - 7

Cnemidophorus sexlineatus Linn.

No. 6323.

Locality - Boat landing, Billy's Island. June 24, 1912.

First supraorbital not divided. Frontoparietals subequal to parietals. Frontal convex. Interparietal convex. No distinct plates posterior to parietals. Femoral pores 15, very distinct. Superior marginal plates of orbit 5. Inferior orbitals 5. Superior labials 5. Anal plates 2. Apparent normal in every respect except anal plates. Two ~~complete~~ lines on either side median dorsum.

Measurements:

Total length - 180
Length to collar - 16
Length to axilla - 22
Length to vent - 50
Length of foreleg - 20

Length of forefoot - 8
Length of hindleg - 42
Length of hindfoot - 22
Width of head - 9

Cnemidophorus septilineatus Linn.

No. 6324

Locality - Boat landing, Bilijs Island. June 24, 1912.

Grist supraorbital subdivided. Frontoparietals smaller than parietals. Frontal faintly 3-ridged. Interparietal with marginal depression. Plates posterior to parietals very irregular in size and position. Femoral pores 17. Superior marginal plates of orbit 6. Superior orbitals 5. Superior labials 5. Anal plates normal.

Measurements:

Total length - 165

Length to collar - 14

Length to axilla - 20

Length to vent - 50

Length of foreleg - 23

Length of forefoot - 9

Length of hindleg - 39

Length of hindfoot - 19

Width of head - 8

Cnemidophorus sexlineatus Linn.

No. 6325

Locality - Billy's Island. May 31, 1912.

First supraorbital divided. Frontoparietals not smaller than parietals. Frontal obsolete 3-ridged. Intoparietal almost flat. Row of 6 plates posterior to parietals. Superior marginal plates of orbit 6. Superior orbitals 4. Superior labials 5. Femoral pores 15. Anal plates normal.

Measurements:

Total length - 170
Length to collar - 16
Length to axilla - 22
Length to vent - 50
Length of foreleg - 18

Length of forefoot - 8
Length of hindleg - 39
Length of hindfoot - 20
Width of head - 8

Cnemidophorus sexlineatus Linn.

No. 6326.

Locality - Biel's Island. May 31, 1913.

Tail has been broken off 50 mm. from vent and a new tail 45 mm. long has grown on. First supraorbital not subdivided. Frontoparietals smaller than parietals. Frontal distinctly 3-ridged. Interparietal with marginal depression. 4 large plates and many smaller ones posterior to parietals. Superior marginal plates of orbit 6. Inferior orbitals 4. Superior labials 5. Femoral pores 13. Anal plates normal.

Measurements:

Total length - 160

Length to collar - 19

Length to axilla - 26

Length to vent - 62

Length of foreleg - 22

Length of forefoot - 9

Length of hindleg - 44

Length of hindfoot - 22

Width of head - 10

Cnemidophorus sexlineatus Lin.

No. 6327

Locality - Bili's Island. May 31, 1912.

First supraorbital subdivided. Frontoparietals not smaller than parietals. Frontal distinctly 3-ridged. Interparietal flat. Row of 6 plates posterior to parietals. Superior marginal plates of orbit 5. Superior orbitals 5. Superior labials 5. Femoral pores 15. Only 2 anal plates one posterior to the other. Two very faint obsolete lines down middle of dorsum.

Measurements:

Total length - 179
Length to collar - 18
Length to axilla - 22
Length to vent - 58
Length of foreleg - 20

Length of forefoot - 8
Length of hindleg - 40
Length of hindfoot - 20
Width of head - ?

Cnemidophorus sexlineatus Lin.

No. 6328

Locality - Billy's Island. May 31, 1912.

Tail broken 56 cm. from vent. but still attached. Front supra-orbital plate not subdivided. Frontoparietals smaller than parietals. Frontal deeply three-ridged. Interparietal convex. Two distinct rows of small subequal plates posterior to parietals. Superior marginal plates of orbit 5. Superior orbitals 4. Superior labials 5. Femoral pores 15. Only 2 anal plates one posterior to the other. Ventral surface of body blue.

Measurements:

Total length - 214
Length to collar - 20
Length to axilla - 27
Length to vent - 63

Length of foreleg - 22
Length of forefoot - 10
Length of hindleg - 52
Length of hindfoot - 25
Width of head - 12

Cnemidophorus reticulatus Linn.

No. 6329

Locality - Billy's Island. May 21, 1912.

Tail broken 25 mm. from vent but still attached. First supra-orbital plate not subdivided. Frontoparietals not smaller than parietals. Frontal faintly 3-ridged. Interparietal nearly flat.

Plates posterior to parietals small and irregular. Superior marginal plates of orbit 6. Inferior orbitals 5. Superior labials 5. Vomerals 15. Anal plates normal. Two very faint obsolete lines down middle of dorsum.

Measurements:

Total length - 175
Length to collar - 15
Length to apex - 22
Length to vent - 50
Length of foreleg - 20

Length of forefoot - 9
Length of hindleg - 42
Length of hindfoot - 20
Width of head - 9

Cnemidophorus sexlineatus Lin. (Eggs)

No. 6330

No locality or date label.

3 eggs of the "race nag" plowed up on Biel's Island.
Comparatively soft, almost salmon-colored, each marked with a
dark oval stain. Semitranslucent. Not smooth or shining. Slightly
rough. Subpubescent. Elliptical

Measurements:

1. — Length 16, Diameter $9\frac{1}{2}$.

2. — " $15\frac{1}{2}$, " 10.

3. — " $17\frac{1}{2}$, " $8\frac{1}{2}$.

Cnemidophorus sexlineatus Linn. (Eggs)

No. 6331.

Locality - Billy's Island, June 27, 1912.

2 eggs plowed up from a depth of about 6 inches. Much darker in color than No. 6330 which were preserved in alcohol. These are preserved in formal. Showing dark stains of irregular shape. Becoming lighter on drying. Slightly rough, subpubescent. Elliptical.

Measurements:

1 - Length 15, Diameter 8.

2 - " $14\frac{1}{2}$, " 8.

Eumeces quinquelineatus Linn.

Locality - Biel's Island. June 11, 1912.

"Coloration 1." Five distinct white stripes on body - none on tail. Median stripe bifurcate at occiput. Head and dorsum black. throat white, belly bluish, vent white. Supraorbitals 6, Superior marginal plates 9. Superior labials 7. Two large occiputals. Vent mutilated.

Measurements:

Total length - 92
Length to vent - 42
Length to ear - 10
Length to axilla - 18

Length of foreleg - 15
Length of forefoot - 5
Length of hindleg - 20
Length of hindfoot - 10
Width of head - 8

Eumeces quinquelineatus Linn.

No. 6333.

Locality - Not given. No date label.

"Coloration 1". Mutilated specimen. Tail broken off 25 mm. from vent. 5 distinct white stripes on body. Median stripe bifurcate at occiput. Head and dorsum black, ventral side of head white, throat mottled with blue scattered spots, belly blue. Supraorbitals 6. Superior marginal plates 9, the middle 5 very thin. Superior labials 8 the posterior one very large. Occipitals 2. 1 unpaired plate posterior to rostral (not 2 as in Cope) Vent normal.

Measurements:

Total length -	82	Length of foreleg -	22
Length to vent -	67	Length of forefoot -	10
Length to ear -	15	Length of hindleg -	32
Length to apicula -	28	Length of hindfoot -	15
		Width of head -	12

Emmece quinquelineatus Linn.

No. 6334.

Locality - "Workshop" Billy's Island, June 2, 1912.
collected by A. P. Cahn.

Median stripe absent. 2 lateral white stripes on each side present. Dorsal region between first lateral stripes light brown. Between first & second lateral stripes dark brown. Upper surface of head reddish. Sides of head orange. Under surface of head orange-white. Throat lighter. Body bluish-white. Supraorbitals 6. Superior marginal plates 9. Superior labials 7. Occipitals 2. Badly mutilated specimen. Tail broken off 10 mm. from vent but preserved. Anal region crushed. Infested with "red-bugs" under each forearm. 2 post-rostral plates.

Measurements:

Total length - 140

Length to vent - 60

Length to ear - 14

Length to apilla - 25

Length of foreleg - 20

Length of forefoot - 7

Length of hindleg - 31

Length of hindfoot - 15

Width of head - 11

Emmees quinquelineatus Rin.

Locality - Mifou's Hammock. June 16. 1912.

"Coloration 1". 5 distinct white stripes on body continuing more ob-
soletely in tail. Median stripe bifurcate at occiput. Dorsal surface
of head and body black. Under surface of head and throat bluish-
white. Belly light blue. Supraorbitals 6. Superior marginal plates 6.
Superior labials mutilated. Occipitals 2. Post-rostral 2. Vent normal.
Head somewhat mutilated.

Measurements:

Total length - 135

Length to vent. - 51

Length to ear - 11

Length to axilla - 22

Length of foreleg - 16

Length of forefoot - 6

Length of hindleg - 22

Length of hindfoot - 10

Width of head - ?

Eumeces quinquelineatus Lin.

No. 6336.

Locality - Billy's Island. June 6, 1912.

Stripes entirely obliterated. Dorsal surface a uniform brownish-black. Upper surface of head reddish. Under surface of head creamy white. Throat mottled with blue. Belly bluish. Body stout. Head broad. Tail comparatively short. Supraorbitals 6. Superior marginal plates 9-10. Irregular. Superior labials 8. Occipitals 2. Postrostral 1. Vent normal.

Measurements:

Total length - 186

Length to vent - 90

Length to ear - 21

Length to axilla - 40

Length of foreleg - 30

Length of forefoot - 11

Length of hindleg - 45

Length of hindfoot - 19

Width of head - 17

Emmece quinquelineatus Linn.

No. 6337

Locality - Billy's Island. June 1, 1912.

Stripes almost obliterated. Dorsum brownish-black. Head reddish-brown. Sides of head orange-brown. Under side of head and throat yellowish-white. Belly blue. Body comparatively stout. Head broad. Tail long. Supraorbitals 6. Superior marginal plates 9. Superior labials 8. Occipitals 2. Postrostrals 2. Vent normal - plates large and white.

Measurements:

Total length - 214

Length to vent - 79

Length to ear - 22

Length to axilla - 34

Length of foreleg - 30

Length of forefoot - 11

Length of hindleg - 42

Length of hindfoot - 18

Width of head - 18

Emmeces gunnquelineatus Linn.

No. 6338

Locality - Billy's Island. June 1, 1912.

Stripes obsolete except last lateral. Dorsum dark brownish-black. Head reddish above, orange red on sides, reddish-yellow below. Throat yellowish-white. Belly dirty-blue. Supraorbitals 6. Superior marginal plates 7. Superior labials 7. Occipitals 2. Post-orbitals 2. Vent normal, plates whitish. "Red-bugs" on forelegs.

Measurements:

Total length - 150

Length to vent - 75

Length to ear - 17

Length to axilla - 30

Length of foreleg - 22

Length of forefoot - 10

Length of hindleg - 28

Length of hindfoot - 13

Width of head - 12

Emmees quinguelineatus Leun.

No. 6339.

Locality - Billy's Island. June 29, 1912. - On fence.
Collected by W.D.F.

Largest specimen secured in the swamp. Somewhat mutilated by shot.
Found running along fence. Old tail has been injured 75 mm. from
vent and new tail 65 mm. long has been regenerated. The stump
of the old tail persists sticking out almost at right angles to
a length of 10 mm. with the end shriveled to a sharp point.
Stumps practically obsolete. Dorsum almost black. Head red above
Orange-white beneath. Throat yellow. Belly bluish. Supraorbital
Superior marginal plates 9 - middle ones very thin. Superior labials 8.
Occipitals irregular agreeing with Cape. Postrostrals 1. Vent normal.

Measurements:

Total length - 237	Length to apilla - 50	Length of hindleg - 50
Length to vent - 107	Length of foreleg - 37	Length of hindfoot - 21
Length to ear - 30	Length of forefoot - 12	Width of head - 25

Liolepisma laterale Say.

No. 6340

Locality - Billy's Island. June 11, 1912.

Dorsal surface head & body uniform dark brown. Under surface head & body bluish-white, ventral region yellow-white, tail brown. Lines obsolete. Frontal not touching interparietal (cf. Cope) Supraorbitals 4. Upper labials 7. Superior marginal plates of orbit 7.

Measurements:

Total length - 90

Length to ant- 30

Length to ear - $6\frac{1}{2}$

Length to axilla - 13

Length of foreleg - 8

Length of forefoot - 3

Length of hindleg - 12

Length of hindfoot - 5

Width of head - 5

Liolepisma laterale Say.

No. 6341

Locality - Billy's Island. May. 29. 1912.

Dorsal surface of head and body glistening bronze. Under surface of head blue. Ventral surface of body bluish-white, anterior half tail brown, posterior white. Lines very faint. Frontal widely separated from inter-parietal. Supraorbitals 5. Superior marginal plate 7. Superior labials 6.

Measurements:

Total length - 95

Length to vent - 40

Length to ear - 6

Length to axilla - 19

Length of foreleg - 9

Length of forefoot - 3

Length of hindleg - 13

Length of hindfoot - 5

Width of head - 5

Liolepisma laterale Say.

Locality - Chipinikee swamp. July 15 - Nov. 1. 1912.

Dorsal surface head & body shining bronze. Ventral surface head & body bluish-white. Ventral surface tail blue. Ventr yellowish-white. Lateral line distinct. Frontal widely separated from interparietal. Supraorbitals 4. Superior labials 7.

Measurements:

Total length - 82

Length to vent - 25

Length to ear - 6

Length to apilla - 12

Length of foreleg - 8

Length of forefoot - 3

Length of hindleg - 12

Length of hindfoot - 6

Width of head - 4

Liolepisima laterale Say.

No. 6343.

Locality - Billy's Island. June 25, 1912.

Dorsal surface of head and body reddish-brown. Black lateral stripe prominent. Under surface of head bluish-white. Throat bluish. Belly blue. Vent yellowish white. Tail bluish white. Frontal widely separated from interparietal. Supraorbitals 4. Superior labials 5.

Measurements:

Total length - 78

Length to vent - 37

Length to ear - 6

Length to apilla - 14

Length of foreleg - 9

Length of forefoot - 3

Length of hindleg - 12

Length of hindfoot - 6

Width of head - $4\frac{1}{2}$

Liolepisuma laterale Say.

No. 6344.

Locality: Bell's Island. June 6, 1912.

Mutilated specimen. Tail broken off 15 mm. from vent. Dorsal surface of head and body beautiful shining bronze sprinkled with black spots. Brown and black lateral lines distinct. Entire ventral surface except tail white. Tail bluish-white. Slightly darker between longitudinal rows of scales on abdomen. Scales clearly defined. Plates of head large, clear, and distinct. Frontal widely separated from interparietal. Supraorbitals 4. Superior labials 7.

Measurements:

Total length - 92
Length to vent - 37
Length to ear - 6
Length to axilla - 13

Length of foreleg - 9
Length of forefoot - $3\frac{1}{2}$
Length of hindleg - $12\frac{1}{2}$
Length of hindfoot - 6
Width of head - 5

Piolepisoma laterale Say.

No. 6345.

Locality - Billy's Island. July 3. 1912.

Taken in copulation with No. 6346. Dorsal surface of head and body bronze. Lateral stripes distinct. Ventral surface of head and vent bluish-white. Belly and tail blue. Frontal separated from interpanital. Supraorbitals 4. Superior labials 7.

Measurements:

Total length - 84

Length to vent - 35

Length to ear - $6\frac{1}{2}$

Length to apilla - $13\frac{1}{2}$

Length of foreleg - 9

Length of ~~foreleg~~ - $2\frac{1}{2}$

Length of hindleg - 12

Length of hindfoot - 6

width of head - 5

Piolepisma laterale Say.

No. 6346.

Locality - Biel's Island. July 3, 1912.

Taken in copulation with No. 6345. Dorsal surface of head and body bronze. Lateral lines clearly marked. Ventral surface of head, pectoral region and vent yellowish-white. Throat bluish. Belly and tail blue. Frontal separated from interparietal. Supraorbitals 4. Superior labials obsoletely 7.

Measurements:

Total length - 93

Length to vent - 35

Length to ear - $6\frac{1}{2}$

Length to axilla - 13

Length of foreleg - $8\frac{1}{2}$

Length of forefoot - 3

Length of hindleg - $11\frac{1}{2}$

Length of hindfoot - $5\frac{1}{2}$

Width of head - $4\frac{1}{2}$

Liolepisma laterale Say.

No. 6347.

Locality - Billy's Island. June 1, 1912.

Brownish-black above. Lateral stripes very faint, almost obsolete.
Ventral surface of head, throat and body bluish-white. Vent lighter.
Tail blue. Frontal widely separated from parietal. Supraorbital 4.
Superior labials faintly 7. Tail unusually long.

Measurements:

Total length - 101
Length to vent - 32
Length to ear - $6\frac{1}{2}$
Length to apex - 13
Length of foreleg - 8
Length of forefoot - $2\frac{1}{2}$

Length of hindleg - 11
Length of hindfoot - $5\frac{1}{2}$
Width of head - $4\frac{1}{2}$

Anolis carolinensis Cuvier.

No. 6348

Locality - Billy's Island. June 11, 1912.

Dark gray-green. Clots of dorsal ridge 15. Canthus rostralis 6. Superior labials 10. Inferior labials 11. Ventral surface of head pale green with longitudinal rows of black spots. Throat with median longitudinal red band extending laterally over 6 rows of scales. Belly gray spotted with black. Ventrals lighter. Tail just posterior to vent blue.

Measurements:

Total length - 160

Length to vent - 50

Length to ear - 16

Length to axilla - 25

Length of foreleg - 20

Length of forefoot - 8

Length of hindleg - 35

Length of hindfoot - 15

Width of head - 8

Anolis carolinensis Cuvier

No. 6349.

Locality - Billy's Island. June 6, 1912.

Dorsal surface dark gray-green becoming lighter on drying. Tail much lighter in color - pale green - appears to have been regenerated from vent. Ventral surface of head white spotted with black in longitudinal lines. Throat with broad red longitudinal band. Pectoral region white. Belly blue. Vent and under parts of hindlegs white. Tail green. Dorsal ridge 12. Canthus rostralis 6. Superior labials 11. Inferior labials 11.

Measurements:

Total length - 140

Length to vent - 49

Length to ear - 14

Length to axilla - 23

Length of foreleg - 17

Length of forefoot - 7

Length of hindleg - 30

Length of hindfoot - 13

Width of head - 8

Anolis carolinensis Cuvier.

No. 6350.

Locality - Biel's Island. June 21. 1912.

Mutilated specimen. Tail broken off 18 mm. from vent. Light bluish-gray above. Ventral surface of head, throat and breast uniform gray mottled with longitudinal rows of black dots. Belly blue. Dorsal and under side of hind legs gray mottled with dark spots. Tail bluish with brown spots. Dorsal ridges almost obsolete. Canthus rostralis 6. Nose mutilated. Superior labials 10. Inferior labials 11.

Measurements:

Total length - 68

Length to vent - 50

Length to ear - 14

Length to axilla 23

Length of foreleg - 19

Length of forefoot - 7

Length of hindleg - 32

Length of hindfoot - 12

Width of head - $7\frac{1}{2}$

Anolis carolinensis Cuvier

No. 6351.

Locality - Miton's Hammock, June 16, 1912.

Dorsal surface of body steel-blue. Anterior end of head brown. Ventral surface of head white mottled with bluish spots in longitudinal lines. Throat with broad red patch. Abdomen sordid white sparsely sprinkled with dark spots. Vent and under side of hind legs lighter. Tail bluish. Dorsal ridge 14, very distinct. Canthus rostralis 7, last subdivided. Superior labials 12. Inferior labials 12. A fine, large, well-formed specimen. End of tail broken.

Measurements:

Total length - 124

Length to vent - 62

Length to ear - 21

Length to apilla - 35

Length of foreleg - 29

Length of forefoot - 9

Length of hindleg - 41

Length of hindfoot - 17

Width of head - 12

Anolis carolinensis Cuvier.

No. 6352.

Locality - Boat landing. Billy's Island. June 24, 1912.

Dorsal surface dark blue-gray. Tail much lighter gray. End of tail brown. Ventral surface of head, throat and breast pinkish-white mottled with bluish dots in longitudinal rows. Belly blue. Anal region and ventral surface of hindlegs colored like throat. Tail brilliant light blue beneath; brown at tip. Dorsal ridge indistinctly 12. Canthus rostralis 6. Superior labials 10. Inferior labials 11.

Measurements:

Total length - 150

Length to vent - 50

Length to ear - 15

Length to axilla - 25

Length of foreleg - 20

Length of forefoot - 7

Length of hindleg - 34

Length of hindfoot - 14

Width of head - 8

Anolis carolinensis Cuvier.

No. 6353

Locality - Billy's Island. June 3, 1912.

Mutilated specimen. Tail broken off 19 mm. from vent but preserved. Dorsal surface dark slate. Ventral surface of head, throat and pectoral region sordid white slightly speckled with dark spots in longitudinal rows. Throat slightly darker and wrinkled. Belly blue. Anal region and ventral surface of hind legs almost white with dark spots. Tail blue. Dorsal ridge 11. Canthus rostralis 6. Superior labials 12. Inferior labials 13.

Measurements:

Total length - 146

Length to vent - 57

Length to ear - 18

Length to axilla - 30

Length of foreleg - 21

Length of forefoot - 8

Length of hindleg - 35

Length of hindfoot - 15

Width of head - 10

Anolis carolinensis Cuvier.

No. 6354.

Locality - Biel's Island, June 3, 1912.

Mutilated specimen. Tail broken off 45 mm. from vent and injured 24 mm. from vent. Dorsal surface dark slate. Ventral surface of head and pectoral region solid white somewhat sprinkled with small dark dots in longitudinal rows. Throat darker and wrinkled. Belly blue. Under surface of hindlegs and vent pinkish-white with dark spots. Tail blue beneath. Throat with deep fold. Dorsal ridge 12. Canthus rostralis indistinctly 6. Superior labials 11. Inferior labials 12. Lower jaw deeply cleft (injured?) between anterior labials.

Measurements:

Total length - 109

Length to vent - 64

Length to ear - 20

Length to axilla - 31

Length of foreleg - 26

Length of ~~forefoot~~ - 9

Length of hindleg - 38

Length of hindfoot - 16

Width of head - 10

Anolis carolinensis Olivier

No. 6355

Locality - Billy's Island. June 15, 1912.

Mutilated specimen. Tail broken off 15 mm. from vent. Dorsal surface pale slaty-gray. Ventral surface of head and pectoral region pinkish-white mottled with small dark spots. Throat somewhat more pink.

Body blue. Under surface of hindlegs and vent pinkish-white with dark splotches. Tail (stump) blue. Dorsal ridge indistinct. Canthus rostralis 6. Superior labials 10. Inferior labials 11.

Measurements:

Total length - 67
Length to vent - 52
Length to ear - 15
Length to axilla - 25
Length of foreleg - 21
Length of forefoot - 6

Length of hindleg - 33
Length of hindfoot - 13
Width of head - 9

Anolis carolinensis Cuvier.

No. ~~6356~~
6400

Locality - Billy's Island. June 15, 1912.

Mutilated specimen. Tail injured 15 mm. from vent and broken off 25 mm. from vent. Dorsal surface dark bluish. Ventral surface of head, throat and breast pink with faint dark dots in longitudinal rows, plainest laterally. Belly bright blue mottled with brown. Under surface of hind legs and vent pinkish-white with brown markings. Tail like belly. Dorsal ridge almost obsolete. Countless rostralis 6. Superior labials 11. Inferior labials 12.

Measurements:

Total length - 77

Length to vent - 52

Length to ear - 19

Length to axilla - 26

Length of foreleg - 20

Length of forefoot - 5

Length of hindleg - 33

Length of hindfoot - 13

Width of heart - 9

Anolis carolinensis Cuvier.

No. ~~6357~~
6401

Locality - Bieby's Island, June 15, 1912.

Mutilated specimen. Tail broken off 26 mm. from vent. Dorsal surface dark bluish-green. Ventral surface of head pinkish-white with rows of small dark dots. Ventral surface of forelegs and breast sordid-white. Throat with heavy pink fold. Belly blue. Ventral surface of hindlegs creamy-white speckled with brown. Vent white. Tail bluish with brown spots. Dorsal ridge indistinctly 12. Canthrus rostralis 6. Superior labials 10. Inferior labials 11.

Measurements:

Total length - 74

Length to vent - 48

Length to ear - 16

Length to apicula - 22

Length of foreleg - 21

Length of forefoot - 6

Length of hindleg - 33

Length of hindfoot - 13

Width of head - 9

Anolis carolinensis Cuvier.

No. 6496.

Locality: Biel's Island. Dec. 22. 1913.

A small shriveled specimen, much shrunken and dried, found in a pitcher plant by Dr. Bradley on above date. Specimen badly mutilated and parts missing. Length 57 mm. but in life no doubt much larger. Question as to whether this animal was caught by plant or otherwise. Specimen is unfit for measurements.

Sceloporus undulatus Latreille

No. 6402.

Locality: Billy's Island. June 5, 1912.

Gray-black above without bands. Grayish-white below with throat and sides of belly blue. Median ventral longitudinal black line from throat to middle of hind legs. Occipital bordered by 5 plates. Pinnal eye present. Plates between rostral and occipital in median line in 7 series. Supraorbitals 5. Superciliaries in 2 irregular rows. Superior labials 5. Inferior labials 6. Femoral pores 14.

Measurements:

Total length - 122

Length to vent - 57

Length to apolla - 27

Length of foreleg - 30

Length of forefoot - 12

Length of hind leg - 40

Length of hindfoot - 20

Width of head - 12

Sceloporus undulatus Latreille

No. 6403.

Locality: Billy's Island. June 21, 1912.

Gray-black above. 10 distinct transverse bands. Yellow-white spotted with brilliant black below. Throat bright blue. Belly corded blue. Median spots in longitudinal line. Occipital bordered by 6 plates. Preal eye present. 8 series of plates between occipital and nuchal. Supraorbitals 5. Superciliaries in 2 rows. Superior labials indistinctly 5. Inferior labials 6. Femoral pores 15

Measurements:

Total length - 143

Length to vent - 60

Length to apical - 28

Length of foreleg - 28

Length of forefoot - 12

Length of hindleg - 39

Length of hindfoot - 19

Width of head - 13

Sceloporus undulatus Latrille

No. 6404.

No locality or date label.

Mutilated specimen. Tail broken off 10 mm. from vent. Black above. Chin sordid white. Ventral surface of head and throat black. Pectoral region spotted. Sides of belly blue-black. Inner side of hind legs, vent and tail sordid white spotted with black. Occipital bordered by 6 plates on median anterior. Pinal eye present. 8 series of plates between occipital and rostral. Supraorbitals 5. Superciliaries in two rows. Superior labials 5. Inferior labials 6. Femoral pores 16 on a high ridge.

Measurements:

Total length - 60

Length to vent - 50

Length to axilla - 23

Length of foreleg - 23

Length of forefoot - 10

Length of hindleg - 38

Length of hindfoot - 18

Width of head - 11

Sceloporus undulatus Latreille

No. 6405

Locality: Billy's Island. June 26, 1912.

Gray-black above. Pale green dorso-lateral stripe on each side - longitudinal. Scales of head smooth. Var. undulatus? Cross bands faint. Chin white. Throat brilliant blue. Pectoral region with white patch. Sides and belly jet-black. Vent and under surface of hindlegs gray-spotted. Tail lighter. Occipital bordered by 4 plates. Pinal eye present. 8 series of plates between occipital and rostral. Supraorbitals 5. Superciliaries in one irregular row. Superior labials 5. Inferior labials 5. Femoral pores 14.

Measurements:

Total length - 128

Length to vent - 50

Length to anther - 25

Length of foreleg - 20

Length of forefoot - 8

Length of hindleg - 37

Length of hindfoot - 17

Width of head - 10

Sceloporus undulatus Latreille

No. 6406

Locality:- Bily's Island. May 29, 1912.

Mutilated specimen. Tail broken off 40 mm. from vent. Black above. Bands obsolete. Chin white. All the rest of ventral surface black. Somewhat lighter on breast and under parts of hind legs. Occipital bordered by 5 plates, 2 anterior. Pinal eye present. 8 rows of plates between occipital and rostral. Supraorbitals 5. One row of supraciliaries with two plates of a second row. Superior labials 5. Superior labials 7. Femoral pores 13.

Measurements:

Total length - 95

Length to vent - 55

Length to axilla - 26

Length of foreleg - 28

Length of forefoot - 10

Length of hindleg - 40

Length of hindfoot - 20

Width of head - 13

Sceloporus undulatus Latreille

No. 6407.

Locality: Honey Island. May 27, 1912.

Mutilated specimen. Tail broken off 25 mm. from vent. Dorsal surface grayish-black, 10 faint bands. Ventral surface of head throat and breast pinkish-white with dark spots in more or less longitudinal rows. Belly blue. Under surface of hindlegs, vent and tail like breast. Occipital bordered by 5 plates on anterior. Pinal eye present. 7 rows between occipital and rostral. Supraorbital 5. 2 regular rows of superciliaries. Superior labials 5. Superior labials 7. Femoral pores 15 on thin carinate ridge. Distinct median ventral line.

Measurements:

Total length - 78
Length to vent - 53
Length to axilla - 25
Length of foreleg - 25
Length of forefoot - 10

Length of hindleg - 37
Length of hindfoot - 17
Width of head - 12

Sceloporus undulatus Latreille

No. 6408.

Locality: Billys Island. July 6, 1912.

Fine large perfect specimen. Dorsal surface gray-black, 10 prominent bands. Head lighter. Chin yellow-white spotted with brown. Ventral surface of head black with median white line. Throat bordered with blue. Ventral surface of breast, anal region and under surface of legs pinkish-white with dark spots in more or less regular longitudinal rows. Spots in median line joined to form a line. Occipital bordered with 5 plates, one anterior. Pinal eye present. 6 rows between occipital and rostral. Superior orbitals 5. 2 rows of superciliaries. Superior labials 5. Superior labials 6. Femoral pores 14. A typical specimen. (?) Occipital 3-divided

Measurements:

Total length - 142

Length to vent - 60

Length to apilla - 27

Length of foreleg - 40

Length of hindfoot - 12

Length of hindleg - 42

Length of hindfoot - 20

Width of head - 13

Sceloporus undulatus Latrille

No. 6409.

Locality: Billy's Island. June 18, 1912.

Mutilated specimen. Tail broken in two places. Dorsal surface gray-black. 10 distinct cross-bands. Chin almost white. Ventral surface of head and throat bluish. Breast yellow-white with dark spots. Belly bluish. Pelvic region light below. Tail sordid white below. Faint median line present. Occipital bordered with 6 plates, ~~one~~ anterior. Pinal eye present. Head plates somewhat mutilated. Apparently 7 rows between occipital and rostral. Supraorbitals 5. 2 irregular rows of superciliaries. Superior labials 5. Inferior labials 7. Femoral pores 15, very prominent.

Measurements:

Total length - 128

Length to vent - 48

Length to axilla - 25

Length of foreleg - 28

Length of forefoot - 10

Length of hindleg - 40

Length of hindfoot - 19

Width of head - 11

Sceloporus undulatus Latreille

No. 6410

Locality: Billy's Island. June 18, 1912.

mutilated specimen. Tail broken off 8 mm. from vent but preserved. Part preserved broken 11 mm. from anterior end. Dorsal surface gray-black. Cross-bands present but anterior ones not distinct. Entire ventral surface bluish-white with dark spots in more or less regular longitudinal lines. Median row running together to form line. Occipital bordered by 5 plates, one anterior. 6 rows between occipital and rostral. Supraorbitals 5. 2 irregular rows of superciliaries. Superior labials 5. Inferior labials 6. Femoral pores 14, indistinct.

Measurements:

Total length - 117

Length to vent - 43

Length to apella - 23

Length of foreleg - 22

Length of hindfoot - 7

Length of hindleg - 36

Length of hindfoot - 16

Width of head - 10

Sceloporus undulatus Latrille.

No. 6411.

Locality: Boat landing. Billy's Island. June 24, 1912.

Dorsal surface gray-black. Lighter on head. 11 indistinct bands. Tail apparently regenerated 15 mm from vent. Scalation different and color lighter on new portion. Chin, breast and pelvic region yellow. white below with dark spots in irregular longitudinal rows. Median line prominent. Throat brilliant blue. Belly sordid blue. Occipital bordered by 6 plates, two anterior. Pinal eye present. 8 rows between occipital and rostral. Supraorbital 5. Superciliaris in two regular rows. Superior labials 5. Inferior labials 6. Femoral pores 14.

Measurements:

Total length - 77

Length to vent - 50

Length to axilla - 26

Length of foreleg - 28

Length of forefoot - 13

Length of hindleg - 41

Length of hindfoot - 20

Width of head - $11\frac{1}{2}$

Sceloporus undulatus Latrille

No. 6412.

Locality: Biel's Island. June 1, 1912.

Tail broken 65 mm. from vent but attached. Dorsal surface uniform dark gray-black without markings. Entire ventral surface of chin, head, throat and belly black. White patch on breast. Pelvic region and under surface of tail yellow-white. Occipital bordered by 5 plates, one anterior. Pinal eye present. 7 rows of plates between occipital and rostral. Supraorbitals 5. Superciliaries in 2 irregular rows. Superior labials 5. Superior labials 6. Femoral pores 15.

Measurements:

Total length - 155
Length to vent - 58
Length to apicula - 30
Length of foreleg - 28
Length of forefoot - 11

Length of hindleg - 42
Length of hindfoot - 20
Width of head - 14

Sceloporus undulatus Latreille

No. 6413

Locality: Billy's Island. May 30, 1912.

Tail broken off 34 mm. from vent. Dorsal surface brilliant black. Stripes very faint. Head lighter. Entire ventral surface yellow-white with black spots. Median line of spots distinct. Throat and sides of belly somewhat darker. Occipital bordered by 4 plates, two anterior. Pinal eye present. 8 rows of plates between occipital and rostral. Supraorbital 5. Superciliary in 2 regular rows. Superior labials 5. Inferior labials 6. Femoral pores 14, very swollen on a high ridge and irregular.

Measurements:

Total length - 95

Length to vent - 41

Length to axilla - 20

Length of foreleg - 21

Length of forefoot - 8

Length of hindleg - 34

Length of hindfoot - 16

Width of head - 10

Sceloporus undulatus Latrille.

No. 6414.

Locality: Biel's Island. June 3, 1912.

Brilliant black above. Head lighter. Ventral surface of head, throat and sides of belly black. Shin, breast, vent, undersides of hindlegs and tail yellow-white with black spots. Median line of dark spots very distinct. Occipital bordered by 6 plates, one anterior. Occipital subdivided. Pinal eye present. 7 rows between occipital and rostral. Supraorbitals 6. Superciliaries in two regular rows. Superior labials 5, inferior labials 5. Femoral pores 14, very distinct. Markings of dorsal surface of body obsolete.

Measurements:

Total length - 124

Length to vent - 48

Length to anella - 24

Length of foreleg - 25

Length of forefoot - 9

Length of hindleg - 40

Length of hindfoot - 18

Width of head - $11\frac{1}{2}$

Sceloporus undulatus Patrielle.

No. 6415

Locality: Billy's Island. June 3, 1912.

Dorsal surface gray-black. Head somewhat lighter. Chin, ventral surface of head and throat and sides of belly black. Breast, vent, under surface of hindlegs and tail yellow-white. Median line prominent. Dorsal markings obscure. Occipital bounded by 5 plates, one anterior. Pinnal eye present. Occipital obscurely subdivided. 7 rows between occipital and rostral. Supraorbitals 5. Superciliaries in 2-3 irregular rows. Superior labials 6. Inferior labials 6. Femoral pores 15, very distinct.

Measurements:

Total length - 137

Length to vent - 52

Length to axilla - 24

Length of foreleg - 23

Length of forefoot - 11

Length of hindleg - 38

Length of hindfoot - 16

Width of head - 11

Sceloporus undulatus Latreille.

No. 6416.

Locality: Billy's Island. June 3, 1912.

Small mutilated specimen. Tail broken off 8 mm. from vent but preserved. Dorsal surface gray-black. Bands distinct. Tail somewhat lighter. Ventral surface uniform yellow-white with small dark spots. Median line obscure. Sides of belly bluish. Occipital bordered by 6 plates, two anterior. Pinal eye present, large. 8 rows of plates between occipital and rostral. Supraorbitals 6. Supercilium in 2 irregular rows. Superior labials 5. Superior labials 6. Femoral pores 15 on elevated ridge.

Measurements:

Total length - 90
Length to vent - 42
Length to axilla - 18
Length of foreleg - 22

Length of forefoot - 8
Length of hindleg - 35
Length of hindfoot - 16
Width of head - 10

Sceloporus undulatus Latrille

No. 6417

Locality: Billy's Island, June 3, 1912.

Five large specimens. One side of head mutilated. Dorsal surface gray-black, 10 distinct cross-bands with white markings unusually prominent. Chin white. Ventral head and throat mutilated. Breast, vent, under surface of hind-legs and tail yellow-white. Ventral median line very distinct. Belly bluish at sides. Occipital bordered by 6 plates, one anterior. Pinal eye present. Occipital plate subdivided at caudo-lateral corners, making two small extra plates. 9 rows of plates between occipital and rostral. Supraorbitals 5. Superciliaries in 2 rows, the internal row largest. Superior labials 5. Inferior labials 6. Femoral pores 15.

Measurements:

Total length - 155
Length to vent - 67
Length to axilla - 22
Length of foreleg - 30

Length of forefoot - 14
Length of hindleg - 46
Length of hindfoot - 21
Width of head - 15

Sceloporus undulatus Latreille

No. 6418.

Locality: Cross-way, Billy's Island, June 27, 1912.

Mutilated specimen. Tail broken 10 mm. from vent and broken off 45 mm. from vent. Gray-black above, bands faint. Ventral surface yellow-white with brown spots. Sides of throat and belly brilliant light blue. Median line broken. Occipital bounded by 6 plates, one anterior. Pincal eye present. One of the outer occipital plates subdivided. 8 rows of plates between occipital and rostral. Supraorbitals 6. Superciliaries in one irregular row. Superior labials 6. Inferior labials 6. Femoral pores 15.

Measurements:

Total length - 100

Length to vent - 65

Length to axilla - 29

Length of foreleg - 30

Length of hindfoot - 13

Length of hindleg - 44

Length of hindfoot - 22

Width of head - 15

Sceloporus undulatus Latreille

No. 6419

Locality: Billy's Island. June 24, 1912.

Mutilated specimen. Tail badly broken 20 mm from vent and broken off 62 mm. from vent. Decidedly greenish above. head darker. bands indistinct. Chin jet black with whitish margin. Throat brilliant blue. Underpart of body black with pectoral, pelvic and under surface of tail regions marked with white.

Measurements:

Total length - 122

Length to vent - 60

Length to axilla - 26

Length of foreleg - 30

Length of forefoot - 12

Length of hindleg - 45

Length of hindfoot - 20

Width of head - 13

Sceloporus undulatus Latreille

Locality: Billy's Island. June 24, 1912.

Brightly marked specimen. Dorsal bands with alternating black and white pattern on gray background. Head and tail mottled with white. Undersurface of body gray; throat and sides of belly bluish. Undersurface of tail almost white. Femoral pores (16) very prominent and tubular.

Measurements:

Total length - 100

Length to vent - 45

Length to axilla - 22

Length of foreleg - 28

Length of forefoot - 11

Length of hindleg - 40

Length of hindfoot - 18

Width of head - 11

Sphizaemus ventralis Lam.

Locality: Billy's Island. No date labeled.

Light brown above with three very dark brown longitudinal stripes - two lateral and one dorsal. (Cope's II J. p. 497) Sides of throat and anterior part of body spotted. Entire ventral surface lemon yellow. Two interfrontonals, one anterior to the other separated from frontal by two prefrontals in contact on median line. (Cope I. G. p. 496. Also compressus, p. 501.)

Dorsal scales 16. Wider than long, keeled. Ventral scales 10 flat. Caudal scales longer than wide. 2 superior labials touching orbit. Superior labials 10.

Measurements:

Total length:	590 mm.	Length to ear:	18 mm.
Length to vent:	162 "	Width of head:	9 1/2 "
Length to eye:	7 "		

Ophisaurus ventralis Lin.

No. 6422

Locality: Bili's Island. June 27, 1912.

Color of dorsal surface light brown with three very dark brown stripes - two lateral and one dorsal. Dorsal stripe somewhat obscure. Sides of throat and anterior body spotted. Agrees in color and scalation with No. 6421 - and with *Copis* *deceptus* of variations I C. and II S. (pp. 496, 497.)
Two interfurculars. cf. *confusus* Cope. p. 501.
Measurements:

Total length - 355 mm.

Length to vent - 127 mm.

Length to eye - 7 mm.

Length to ear - 18 mm.

Width of head - 8 mm.

Ophisaurus ventralis Lin.

No. 6485

Locality: Biel's Island. No date label.

Fine large specimen. Dark brown above with many small white spots, irregularly placed on the head and in more or less regular longitudinal and transverse lines on body and tail giving a checkered appearance. Stripes obsolete. Undersurface of body sordid yellow-white; tail clear lemon yellow beneath. One interfrontonasal. Superior labials not touching orbit. Superior labials 10. Does not at all agree with Nos. 6421 or 6422 or with compressus. Body very stout in proportion to its length.

Measurements.

Total length - 525 mm.

Maximum width - 20

Length to vent - 265

Length to eye - 12

Length to ear - 28

Width of head - 17

Myiarchus cinerascens L. White
Locality: Ballys Island June 25 1913

Upper with black, sides greenish, without white about mouth
and throat with tawny buff. Under yellow like orange with
white. The greenish white throat patch is distinct in some
yellow.

Length 12 in
Wing 11 in
Tarsus 1 in
Middle toe 1 1/2 in
Culmen 1/2 in
Weight of ad. 4 1/2 oz
Weight of juv.

Okefinokee Turtles.

Chrysemys floridana LeConte.

No. 6423.

Locality: Billy's Island. June 3, 1912.

Carapace dull black, sides grooved, vertebral plates almost smooth, each costal with bifurcate reddish-yellow line, marginals with central line of same color, obsolete posteriorly; plastron uniform lemon-yellow.

Carapace:

Length - 12 in.

Width - 11 in.

Plastron

Length - $10 \frac{3}{8}$ in.

Width - $6 \frac{1}{2}$ in.

Height of shell - $4 \frac{3}{4}$ in.

Width of head

Chrysemys floridana Le Conte

No. 6424.

Locality. Billy's Island. June 3, 1912.

Carapace dull black, costal plates much wrinkled longitudinally and marked with irregular more or less concentric line of reddish-yellow. Vertebral plates almost smooth with like markings. Marginal plates with middle line and irregular bordering lines. Pleastron uniform yellow, somewhat streaked with dark on sides.

Carapace

Length - $13\frac{1}{2}$

width - $11\frac{1}{4}$

Pleastron

Length - 11

width - $6\frac{3}{4}$

Height of skull - $5\frac{1}{4}$

width of head.

Chrysemys floridana LeConte

No. 6425

Locality: Billy's Island. June 3. 1912.

Dark brown-black. Costal plates of carapace much wrinkled longitudinally and marked with wavy transverse lines of yellow the more median being the broader. Marginal plates with median yellow line.
Pleastron yellow.

Carapace

Length - $13\frac{1}{4}$

width - 11

Pleastron

Length - $11\frac{1}{4}$

width - $7\frac{1}{2}$

Height of shell - $5\frac{1}{4}$

width of head -

Chrysemys floridana Leconte

No. 6426

Locality: Billy's Island. No date label (First lot)

Carapace rich brown-black. Costal plates longitudinally wrinkled and decorated with wavy yellow markings - one band larger than the others. Marginal plates with single median brownish-yellow band. Plastron yellow. Under surface of marginal plates with 5 round black spots.

Carapace:

Length - 13

Width - $10\frac{3}{4}$

Plastron:

Length - $10\frac{1}{2}$

Width - $6\frac{3}{4}$

Height of shell - $4\frac{1}{2}$

Chrysemys floridana LeConte

No. 6427.

Habitat: Billy's Island. No date label.

Carapace brownish black. Costal plates longitudinally wrinkled and marked with lines of yellow running downward. Marginal plates with distinct median yellow band. Plastron clear yellow. Edges of marginal plates with five black spots.

Carapace:

Length - $13\frac{1}{4}$

Width - 11

Plastron:

Length - 11

Width - $7\frac{1}{2}$

Height of shell - 5

Chrysemys floridana LeConte

No. 6428

Habitat: Billy's Island, June 3, 1912.

Carapace brown-black. Costal plates longitudinally wrinkled and marked with heavy median lines of yellow running downward. Marginal plates with distinct median yellow band. Plastron clear yellow. Edge of marginal plates with five black spots beneath.

Carapace:

Length - $13\frac{1}{2}$

width - $11\frac{1}{2}$

Plastron:

Length - $11\frac{1}{2}$

width - $6\frac{1}{4}$

Height of shell - $4\frac{7}{8}$

Chrysemys floridana LeConte

No. 6429

Locality: Billy's Island. First lot.

Carapace dark brown. Costal plates longitudinally wrinkled and marked with median yellow line bifurcate at both ends on each plate. Marginal plates with distinct median yellow band. Plastron yellow. Under side of marginal plates with five black spots at edge.

Carapace:

Length - $12 \frac{3}{4}$

Width - $10 \frac{1}{2}$

Plastron:

Length - $10 \frac{7}{8}$

Width - $6 \frac{1}{4}$

Height of shell - $4 \frac{6}{8}$

Chrysemys floridana LeConte.

No. 6430.

Locality: Billy's Island. First lot.

Carapace dark brown. Costal plates longitudinally wrinkled and marked with heavy median yellow line with narrow wavy lines of same color on either side. Marginal plates with distinct median yellow band. Plastron yellow. Underside of marginal plates with five black spots on each side at edge.

Carapace:

Length - $12\frac{1}{2}$

Width - $11\frac{1}{2}$

Plastron:

Length - $10\frac{5}{8}$

Width - $7\frac{1}{4}$

Height of shell - $5\frac{1}{4}$

Chrysemys floridana Le Conte

No. 6431

Locality: Billy's Island. First lot.

Carapace dark brown. Costal plates longitudinally wrinkled and marked with faint broad median yellow stripe. Marginal plates with distinct median yellow band. Plastron clear lemon yellow. Underside of marginal plates with five black spots on each side at edge.

Carapace:

Length - $12\frac{1}{4}$

Width - $10\frac{1}{2}$

Plastron:

Length - 11

Width - $6\frac{7}{8}$

Height of shell - $4\frac{1}{2}$

Chrysemys floridana Le Conte

No. 6432

Locality: Billy's Island, First lot.

Carapace dark brown. Costal plates deeply longitudinally wrinkled and marked with heavy median yellow stripe with network of light yellow lines on each side. Marginal plates with pronounced yellow line in middle and obsolete yellow markings at sides. Plastron yellow. Underside of marginal plates with five black spots and two obsolete smaller ones on each side at edge.

Carapace:

Length - 13

Width - $10\frac{1}{2}$

Plastron:

Length - $11\frac{1}{2}$

Width - $6\frac{3}{4}$

Height of shell - $4\frac{5}{8}$

Chrysomys floridana Le Conte

No. 6433

Locality: Billys Island. Fruit lot.

Carapace brown-black. Costal plates longitudinally wrinkled and marked with faint broad median yellow line with narrow obsolete lines of same color at sides. Marginal plates with distinct yellow line in middle. Underside of marginal plates marked with six black spots on each side at edge.

Plastron yellow.

Carapace:

Length - $13\frac{1}{4}$

Width - 12

Plastron:

Length - $11\frac{1}{2}$

Width - $6\frac{1}{2}$

Height of shell - $5\frac{1}{2}$

Chrysemys floridana Le Conte.

No. 6434.

Locality: Billys Island. Fruit lot.

Carapace dark brown. Costal plates longitudinally wrinkled and marked with broad median yellow band and many distinct fine yellow wavy lines on each side. Marginal plates with median yellow band bordered on each side by a semicircular line followed by a short straight line. Corresponds closely to Holbrook's figure Pl. 8. opp. p. 65. Plastron lemon yellow. Underside of marginal plates marked with black spots on each side at edges. Markings distinct from other large specimens.

Carapace:

Length - $13\frac{1}{4}$

Width - $11\frac{1}{2}$

Plastron:

Length - 12

Width - $7\frac{1}{2}$

Height of shell - $5\frac{1}{4}$

Chrysemys floridana LeConte

No. 6435

Locality: Billys Island. Fruit lot.

Carapace brown-black. Costal plates longitudinally wrinkled and marked with median yellow line. Marginal plate with median yellow stripe. Front marginal plates more or less serrate.

Plastron lemon yellow. Underside of marginal plates with four black spots on each side at edge. Forefeet with very long claws.

Carapace:

Length - $9\frac{3}{4}$

Width - $8\frac{1}{2}$

Plastron:

Length - $8\frac{1}{2}$

Width - $5\frac{1}{4}$

Weight of shell - $3\frac{1}{2}$

Chrysomys floridana Licutr.

No. 6436.

Locality: Bellys Island. First lot.

Young. Carapace slate colored with plates edged with white and markings faint. Costal plates not wrinkled and showing very faint median white line. Marginal plate with broad edge of white; median white line bordered on each side with semicircular line followed by white dot. Carapace slightly keeled in center. Plastron clear light yellow. Undersurface of marginal plates having line of black dots reaching entirely around shell.

Carapace:

Length - $1\frac{1}{2}$

Width - $1\frac{5}{8}$

Plastron:

Length - $1\frac{1}{4}$

Width - $1\frac{1}{4}$

Height of shell - $\frac{3}{4}$

Chrysemys floridana Le Conte

No. 6437.

Locality: Biele's Island. First lot.

Young. Shell almost round, somewhat keeled. Carapace slate-colored. Plates faintly margined with white. Costal plates smooth with distinct median white line bordered by faint wavy white lines. Marginal plates bordered with white, median white line followed on each side by semicircular white line & dot. Plastron clear light yellow. Under surface of marginal plates with line of black dots extending entirely around shell.

Carapace:

Length - $1\frac{5}{8}$

Width - $1\frac{5}{8}$

Height of shell - $\frac{3}{4}$

Plastron:

Length - $1\frac{3}{8}$

Width - $1\frac{1}{4}$

Chrysomys floridana Le Conte

No. 6438.

Locality: Billy's Island. First lot.

Young. Shell almost round, somewhat abruptly keeled at center. Carapace slate-colored. Platis faintly margined with white. Costal platis smooth with distinct median and faint wavy bordering lines. Marginal platis smooth, somewhat serrate at edges, bordered with white, median white line followed on each side with semicircular line and dot. Plastron clear light yellow. Undersurface of marginal platis with line of black dots extending entirely around shell.

Carapace:

Length - $1\frac{1}{2}$

Width - $1\frac{1}{2}$

Plastron:

Length - $1\frac{3}{8}$

Width - $1\frac{1}{4}$

Height of shell - $\frac{5}{8}$

Chrysomys floridana Selonte.

No. 6438

Locality: Billy's Island. First lot.

Young. Shell almost round, edge flared, slightly keeled in center. Color dark slate, markings barely visible. all plates smooth. Marginal plates somewhat scalloped & edged with white. Median white line of marginal plates distinct. Plastron sordid yellow. Row of dots around under margin of shell larger at sides than at ends.

Carapace:

Length - $1\frac{3}{8}$
Width - $1\frac{1}{2}$

Height of shell - $\frac{5}{8}$

Plastron:

Length - $1\frac{1}{4}$
Width - $1\frac{1}{8}$

Chrysomya floridana LeConte. (Eggs)

No. 6440

Locality: Billy's Island. May 30, 1912.

13 eggs dug from sand. Uniform in size and color.
Shape - ovate-elliptical. Color - pinkish-white. Surface - slightly granular.
Shells quite soft.

Measurements:

	1	2	3	4	5	6	7	8	9	10	11	12	13
Length -	35 mm.	37	36	36	37	36	37	36	35	35	38	36	36
Diameter -	25	25	24	26	26	25	26	24	24	24	24	25	25

Chrysemys floridana LeConte (Eggs)

No. 6441

Locality: Billy's Island. June 4, 1912.

16 eggs taken from a large female killed for soup. Uniform in size and color.

Measurements:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length -	35	35	37	36	36	35	33	35	35	34	35	36	36	36	35	35
Diameter -	24	23	24	23	23	23	22	23	24	24	24	24	25	24	22	22

Chrysemys floridana LeConte (Eggs)

No. 6442.

Locality: Miron's hammock, June 16, 1912.

13 eggs dug up by Paul Batté on Miron's hammock. all are badly stained and much discolored but uniform in size and appearance.

Measurements:

	1.	2.	3.	4.	5	6	7	8	9	10	11	12	13
Length -	53	34	34	34	35	33	34	33	34	33	33	34	34
Diameter -	23	25	24	23	23	23	24	23	24	23	24	24	24

Chrysemys floridana Le Conte (Eggs)

No. 6443.

Locality: Billy's Island. June 13, 1912.

27 eggs dug up on Billy's Island. Shells of some apparently softer than others and a few discolored and with deep indentations.

Measurements.

	1.	2.	3.	4.	5	6	7	8	9	10	11	12	13	14	15
Length -	34	35	37	36	35	35	34	35	37	36	35	35	33	34	34
Diameter -	24	24	25	25	25	25	24	25	25	26	25	25	24	24	24

16	17	18	19	20	21	22	23	24	25	26	27.
37	35	34	34	36	35	35	35	34	34	34	34
25	25	24	24	25	24	25	25	23	24	23	24

Chrysemys floridana Le Conte (Eggs)

No. 6447.

Locality: Billy's Island, June 22, 1912,

9 eggs dug from the sand on Billy's Island by Paul Battb.
All are well rounded and regular. No indentations. Apparently somewhat
larger than the average.

Measurements:

	1	2	3	4	5	6	7	8	9
Length -	40	36	37	40½	37	37	36	39	38
Diameter -	24	23	23	24	24	23	24	24	24

Chrysomya floridana L. (Eggs)

No. 6448

Locality: Billy's Island. July 6, 1912.

10 eggs dug from sand on Billy's Island; one broken, all more or less discolored. Beneath the dark discolorations the shells seem to be of a more pinkish color than the average. Taken from a field near the Lee's.

Measurements:

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
Length -	36	35	35	34	34	34 $\frac{1}{2}$	35	35	35	Broken.
Diameter -	25	25	25	25	25	25	25	25	25	

Note that all of the eggs of this complement are of the same diameter.

Chrysomys floridana LeConte (Eggs)

No. 6449

Locality: Billy's Island. June 27, 1912.

15 eggs taken from a sandy field on Billy's Island. One broken and five badly shrunk and with shells collapsed from the evaporation of the liquid in the container.

Measurements:

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15
Length -	40	37	39	37	38	38	37	38	38	38	* mtd.	* mtd.	mtd.	mtd.	Broken.
Diameter -	26	26	26	27	26	27	26	26	26						

* Mutilated so seriously as to make measurements useless.

Chrysemys reticulatus Bosc.
Billy's Island. First lot.

No. 6444.

Carapace dull brown; thickly covered with fine reticulated grooves. Each plate with distinct marginal border. Shell rather high, smooth in general outline. Marginal plates with obsolete median yellow line. Underside of each marginal plate with black spot, sometimes coalesced. Plastron smooth, reddish-yellow, median plates with decided tinge of red. Neck very long, skin loose, black. Head black above with faint yellow markings; yellow beneath with distinct, reticulated brown lines. Forelegs with wide yellow band in front; yellow below. Feet black beneath. Claws long. Undersurface of hindlegs and tail yellow. Hind legs with alternate black and yellow lines behind. Tail with two black lines on underside.

Measurements.

Carapace; Length - $8\frac{1}{4}$	Plastron; Length - $6\frac{3}{4}$	Height of shell - $3\frac{1}{2}$
Width - 7	Width - 4	Width of head - $1\frac{1}{6}$

Chrysemys reticulatus Boes.
Silly's Island. First lot.

No. 6445

Carapace dull brown: strictly covered with fine reticulated grooves. Distinct depression between plates. No marginal border. Shell rather high with large indentations. Marginal plates with obsolete median yellow line. Underside of marginal plates with black spots, nearly obsolete on middle plates. Plastron, smooth, orange-yellow. Neck long, black; skin loose. Head black above, faintly marked with yellow on sides; yellow beneath with distinct parallel and wavy brown lines. Forelegs with wide yellow band in front. Black below. Feet black; claws long. Undersurface of hindlegs and tail yellow marked with black.

Measurements:

Carapace: Length - $7\frac{1}{2}$ in.
Width - $6\frac{1}{2}$ in.

Plastron: Length - $6\frac{1}{2}$
Width - 4

Height of shell - $3\frac{1}{4}$
Width of head - 1 in.

Chrysemys reticulata Bosc.

No. 6446.

Honey Island, June 1, 1912.

Small, beautifully marked specimen. Carapace brown-black, smooth, with fine, bright yellow reticulated lines on vertebral and costal plates. Marginal plates with distinct median yellow line. Plastron clear lemon yellow with black band on extreme edge of abdominal plates. No spots on underside of marginal plates. Head black above with fine yellow markings; yellow below with wavy brown lines in pairs. Broad yellow band on front of fore-legs. Feet black with yellow lines. Fore and hind legs with alternate transverse bands of black and yellow. Hind legs and tail yellow beneath.

Measurements.

Carapace: Length - $5\frac{3}{4}$
Width - $4\frac{1}{2}$

Plastron: Length - $4\frac{3}{4}$
Width - $3\frac{1}{8}$

Height of shell - $2\frac{1}{4}$
Width of head - $\frac{3}{4}$ in.

Cistudo carolina Lin.

No. 6450

Locality: Stoney Island June 2, 1912.

Carapace high, dome-shaped; higher behind than before; smooth, somewhat indented on upper surface; color chocolate-brown with many irregular yellow-spots scattered as though put on with a brush; at lateral margin of costal plates yellow lines running outward. No keel. Marginal plates not flared; edges yellow. Underside of marginal plates marked with brown posteriorly. Plastron uniform yellow, interstices between plates brownish.

Measurements:

Carapace:

Length - $6\frac{1}{2}$

width - $6\frac{1}{2}$

Plastron:

Length - $5\frac{1}{4}$

width - $3\frac{1}{2}$

Height of shell: $2\frac{7}{8}$

Cistudo major Agassiz

Locality: Bell's Island. June 29, 1912.

Small specimen taken from the "Pocket" by Dave Lee. Carapace high and globular, chocolate-brown with groups of radiating yellow lines. Blunt keel more noticeable at posterior end. Marginal plates marked with yellow and flaring out behind. This specimen is mutilated at posterior end of shield. Broad yellow stripe running the full length of the carapace in the middle. Plastron outer edges of plastron with roughly parallel yellow lines. Plastron uniform yellow with brownish blotch at external-posterior angle of each plate.

Measurements:

Carapace:

Length - $6\frac{1}{2}$ Width - $6\frac{1}{2}$

Plastron:

Length (closed) $5\frac{3}{8}$ Width - $3\frac{1}{8}$ Height of shell: $2\frac{3}{4}$

Cinosternum pennsylvanicum Bosc.

No. 6453.

Locality: Billy's Island, June 10, 1912.

Carapace black-brown, smooth, no markings; marginal plates very narrow; plates soft and somewhat peeled and frayed at edges and in interstices; somewhat lighter in color between plates. Plastron loosely hinged, not entirely covering body, yellow with dark reddish-brown markings and rectangular brownish grooves. Posterior end deeply notched. Neck thick, skin loose and wrinkled, black^{above}. Head dark brown with faint yellowish spots; upper mandible strongly hooked. Ventralside of neck yellow. Legs thick; claws long, sharp and strong. Tail thick. Posterior end of shell mutilated.

Measurements:

Carapace:

Length - $3\frac{3}{4}$

Width - $2\frac{1}{4}$

Plastron:

Length: $3\frac{1}{8}$

Width: 2

Height of shell - $1\frac{1}{2}$

Width of head - $\frac{7}{8}$ in.

Cinosternum pennsylvanicum Bosc.

No. 6454.

Locality: Billy's Island, June 5, 1912.

Taken by Bryant and for Lee. Carapace glossy dark brown, smooth. Marginal plates narrow, somewhat lighter at edges. Underside of marginal plates yellow, middle ones with brown markings. Plastron yellow, plates edged at median and posterior margins with rectangular brown lines. Plastron loosely hinged, not entirely covering body especially behind. Neck thick, skin loose and wrinkled, black above, white below. Head uniform black above, almost white below; upper mandible strongly curved and hooked; lower mandible streaked with brown transverse lines. Legs thick; claws long and strong. Tail thick and suddenly acuminate at extremity.

Measurements.

Carapace:

Length - $3\frac{5}{8}$

Width - $2\frac{1}{2}$

Plastron:

Length - $3\frac{3}{8}$

Width - 2

Height of shell - $1\frac{5}{8}$

Width of head - $\frac{3}{4}$ in.

Cinosternum pennsylvanicum Boss.

Locality: Beely's Island, June 26, 1912.

Small specimen. Carapace dull black-brown, no markings, smooth; marginal plates narrow, edged with lighter color and yellow below tinged with brown. Plastron loosely hinged, not covering entire body especially posteriorly; yellow with rectangular brown lines at inner and posterior margins of plates; interstices broad. Neck long, skin loose and much wrinkled, rough, black above, sordid yellow below. Head broad, black above, lighter below, unspotted. Legs thick; claws long, sharp & strong. Tail thick and suddenly acuminate at apex.

Measurements:

Carapace:

Length - $3\frac{3}{8}$

width - $2\frac{3}{8}$

Plastron:

Length - $3\frac{1}{8}$

width - $1\frac{5}{8}$

Height of shell - $1\frac{5}{8}$

width of head - $\frac{7}{8}$ in.

Cinosternum pennsylvanicum Rose.

No. 6456.

Locality: Bellys Island. June 11, 1912.

Caught by Dave Lee while on nest laying eggs. Nest 3 inches deep in rotten wood beside log. Both eggs + turtle taken. Fine large female. Carapace dark brown, no markings, smooth; marginal plates narrow, brown above, yellow beneath with brown markings. Plastron reddish-yellow, deep brown grooves at inner and posterior edges of plates; loosely hinged, interteues wide. Neck long, skin loose + wrinkled, black above, soiled white beneath. Head uniform black above, gray beneath, unspotted; upper mandible with strong curved hook. Legs unmarked; claws long, strong + sharp. Tail stuck and suddenly acuminate at extremity.

Measurements.

Carapace:

Length - $3\frac{5}{8}$

Width - $2\frac{1}{2}$

Plastron:

Length - $3\frac{1}{2}$

Width - $2\frac{1}{8}$

Height of shell - $1\frac{3}{4}$

Width of head - $\frac{7}{8}$ in.

Cinosternum pennsylvanicum Rose.

No. 6457.

Locality: Billys Island. Second lot.

medium sized, badly mutilated specimen evidently taken by dog. Shell cracked transversely on one side near middle and both sides with holes probably made by dog's teeth. Upper surface of carapace sealed and pitted. Carapace brown and normal. Plastron normal, agreeing with all other specimens. Neck very thick, wrinkled; black above, sordid white below. Head black above, gray below. Feet & tail normal.

Measurements.

Carapace:

Length - $3\frac{3}{4}$

width - $2\frac{3}{8}$

Plastron:

Length - $3\frac{1}{8}$

width - $1\frac{7}{8}$

Height of shell - $1\frac{1}{2}$

width of head - 1 in.

Cinosternum pennsylvanicum Rose.

Locality: Billy's Island. Second lot.

Small but well formed specimen. Shell brown with shallow grooves. No markings. Marginal plates light brown beneath. Plastron yellow with usual brown rectangular grooves and lines; posterior end much darker reddish-brown. Head and neck withdrawn into shell to such an extent as to make measurements and description impossible. Legs well-formed; claws long, sharp and strong.

Measurements.

Carapace:

Length - $3\frac{1}{4}$

Width - $2\frac{1}{4}$

Plastron:

Length - $2\frac{7}{8}$

Width - $1\frac{3}{4}$

Height of shell - $1\frac{1}{4}$

Cinosternum pennsylvanicum Bosc. (Carapace)

No. 6459.

Locality: Billy's Island. No date label.

An old carapace found on Billy's Island. Mutilated by large crack across middle of one side. Bleached and weathered by exposure but plates distinct. No remains of plastron. Upper epidermal layer worn off. Sutures firm and clean-cut.

Length: $3\frac{3}{4}$ inches; width: $2\frac{1}{2}$ inches.

Cinosternum pennsylvanicum Bosc (Eggs)

No. 6460

Locality: Belly's Island, June 11, 1912.

Three eggs taken with specimen No. 6456 on nest. Eggs were
laid 3 inches deep in rotten wood. On account of the evaporation
of the liquid from the container in which these eggs were placed
they are ruined for all purposes of description. The shells of
all are broken and the shells and contents entirely dried up.

(From a "George Washington Coffee" tin)

Cuveterium pennsylvanicum Bosc. (Eggs)

No. 6461.

Locality: Billys Island. June 21, 1912.

Two turtles eggs (probably *Cuveterium pennsylvanicum*) were placed in a "Kings Washington Coffee" tin for safe-keeping. The formalin evaporated and only the dried remains of the eggs remain. These are broken and mutilated beyond description but are preserved as for the above number.

Cinosternum pennsylvanicum Bosc. (Egg)

No. 6462.

Locality: Biel's Island. May 30 or June 1, 1912.

One egg taken on Biel's Island on either May 30 or June 1, 1912 together with eggs of *Chrysemys floridana* and *Amyda natica* is broken in such a manner as to make measurements worthless. The shape is elliptical, color pinkish white, length approximately 30 mm and width 15 mm.

Cinosternum pennsylvanicum Rose. (Eggs) (?)

No. 6470

Locality: Billy's Island. No date label.

Two eggs, probably of the mud turtle, one broken, the other entire. In general appearance these eggs resemble most those of *Cinosternum pennsylvanicum* so far as the other mutilated eggs of that turtle which were preserved will admit of comparison. The eggs are elliptical, yellowish-white in color and slightly discolored, shell almost smooth and quite hard.

The one whole egg is 30 mm. in length and 17 mm. in diameter.

These eggs were found with three snake eggs but the nature of the place in which they were collected is not stated.

^{canaliculatus}
Aromochelys odoratus Latr.

No. 6463.

Locality: Biel's Island. No date label. Second lot.

Differs from normal in having carapace strongly three-ridged - and head obsoletely spotted with black - not lined. Carapace dark brown rubbed off in spots to yellow; distinctly three-ridged, plates inclined to overlap in vertebral region and very rough; marginal plates narrow, somewhat lighter in color. Plastron almost solid, very narrow posteriorly; uniform yellow. Head dark brown with obsolete black spots, no lines on sides above or below eyes. Under surface of head and lower jaw marked with longitudinal brown bands. Feet broadly webbed. Legs uniform black. Claws thin and sharp. Tail thick and suddenly acuminate. Snout tapering and conical. Plastron weakly notched posteriorly.

Measurements:

Carapace:

Length - $3\frac{5}{8}$

Width - $2\frac{1}{2}$

Plastron:

Length - $2\frac{7}{8}$

Width - 2 (max.)

Height of shell - $1\frac{1}{2}$

Width of head - $\frac{7}{8}$ inches.

Arenochelys ^{curmataus.} odoratus Latr.

No. 6464.

Locality: Billy's Island. Between May 28 and July 15, 1912.

Differs from normal in having carapace ^{distinctly} strongly three-ridged, the central carina high and strong posteriorly and head obsoletely spotted with black - not lined. Carapace dark brown, rubbed off to orange-yellow in spots; three-ridged - and corresponding in shape and structure to No. 6463. Plastron normal. Head uniform brown, very obsoletely spotted. Plastron obtusely and weakly notched posteriorly. Right hind foot cut off and lower part of leg mutilated. Otherwise as in No. 6463.

Measurements:

Carapace:

Length - $3\frac{3}{4}$

width - $2\frac{1}{2}$

Plastron:

Length - $3\frac{1}{8}$

width - $1\frac{7}{8}$

Height of shell - $1\frac{1}{2}$

width of head - $\frac{7}{8}$

Chelydra
Macrochelys temminckii Troost.

No. 6465

Locality: Billy's Island, June 3, 1912.

Young. Agrees perfectly with Agassiz figures (Natural History of the United States, Vol. II, Part III, Pl. V, Nos. 23-27). Carapace grayish black; very rough, three distinct ridges, central highest; plates inclined to overlap and distinctly serrate at apex of ridges; marginal plates narrow, smooth anteriorly, strongly toothed posteriorly. Plastron black with white markings around margin. Head gray, tuberculate, white spots on entire side of lower jaw below angle of mouth. Skin of head, neck and legs strongly tuberculate. Legs and under surface of body gray, unmarked. Tail ^{leg} black, spiny above, smooth below.

Measurements.

Carapace:	Plastron:	Height of shell - $\frac{15}{16}$
Length - $1\frac{7}{8}$	Length - $1\frac{3}{8}$	width of head - $\frac{5}{8}$
width - $1\frac{1}{2}$	width - $1\frac{1}{4}$	

~~Chelydra~~
Macroclermys temminckii Troost.

No. 6466.

Locality: Biel's Island, June 3, 1912.

Young. Agrees with No. 6465 except as to size which is smaller in this specimen. Carapace nearly round, rough, tricarinate, central ridge high, very rough, plates inclined to overlap, each ventral plate roughly bifid posteriorly; marginal plates smooth anteriorly, deeply toothed posteriorly; entire carapace gray. Plastron black with white marginal spots; acute posteriorly. Underside of marginal plates marked with white. Head gray above & slightly tuberculate; black and smooth below. Neck black; skin loose and wrinkled. Legs black, unmarked, skin tuberculate. Tail long, spiny above, smooth below.

Measurements:

Carapace:

Length - $1\frac{3}{8}$

Width - $1\frac{1}{4}$

Plastron:

Length - 1

Width - 1

Height of shell - $\frac{1}{16}$

Width of head - $\frac{1}{2}$

Macroclennys temminckii Froesch. (Skull)

No. 6467.

Locality: Billy's Island. No-date label.

Well preserved skull of "alligator snapper" without lower mandible. Somewhat mutilated on left side and sutures spread. Upper surface brownish and lower stained with green. Entire skull much weathered. The arrangements of bones and sutures and the position of the fossae agree exactly with the figure of Boulenger in the British Museum Catalogue p. 24, Fig. 5.

Measurements: Max. length - $6\frac{1}{2}$ in.; max. width - 6 in.; width between eyes (centric) $2\frac{1}{2}$ in.; diameter of orbit - 1 in.; distance from eye to snout (min. between openings) - 1 in.; height of upper mandible at anterior hook - 2 in.; maximum width of mandible (at posterior angle) - 4 in.; width of nasal opening - 1 inch.

Macrodumys temminckii Forst. (Scale)

Locality: Billy's Island, June 9, 1912.

A large scale probably from the shell of an "alligator snapper" found in the swimming-hole at the Boat Landing on Billy's Island June 9, 1912. Flat, fan-shaped, thin, hard; eight radiating longitudinal ridges and close concentric sub-parallel grooves, above, smooth and slightly undulating beneath. Scale ~~is~~ dry and brittle and much weathered, inclined to peel on the upper surface.

Measurements:

Maximum length - $5\frac{1}{2}$ inches

Maximum width - $5\frac{1}{2}$ inches.

Broken on one side at distal angle.

Trionyx ferox Schweigger
Billy's Island, June 12, 1912.

No. 6471

Fine large specimen. Carapace ^{smooth,} chocolate, ^{above} with obsolete irregular faint patches of black; strongly tuberculate at anterior end, with faint sub-parallel longitudinal rows of tubercles extending entire length of carapace and becoming more pronounced at posterior end; margins of carapace soft and flabby especially at posterior half. Plastron smooth; yellowish-white; extending far forward and well covering the fleshy parts anteriorly, narrower behind and leaving much of the posterior part of the body exposed. Neck very long and snake-like, skin loose and much wrinkled. Head small, smooth, brown, markings very faint. Legs very thick and heavy; fore-legs paddle-like and with 3 claws; hind-legs with three strong claws. Snout developed into a long fleshy proboscis. Tail very thick, vent close to end and end of tail suddenly acuminate beyond vent.

Measurements.

Carapace:

Length - $15\frac{1}{2}$

Width - 11

Plastron:

Length - $11\frac{1}{2}$

Width - 10

Height of shell - 5

Width of head - $2\frac{1}{2}$

Trionyx ferox Schweigger (Head)

No. 6472

Locality: Belys Island. June 22, 1912.

The head of a large soft-shell turtle captured by Paul Battie.
This turtle contained 49 large embryonic eggs.

Head brown above, snout and below the eyes and edges of mandibles white, underside yellowish white. Snout prolonged into a proboscis. Head much tapering. Eyes small, near together. Opening of mouth well inferior. Skin of mandibles fleshy and loose. Jaws large and strong.

Measurements.

Maximum width - $3\frac{1}{4}$ in.

Between eyes - $\frac{1}{2}$ in.

Width of proboscis - $\frac{1}{2}$ in.

Length of proboscis - $\frac{1}{2}$ in.

Distance from snout to angle of mandibles - 3 inches.

Maximum height of head - 2 inches.

Trionyx perot Schweigger (Head)

No. 6473

Locality: Billy's Island. No date label.

Head of a large soft-shelled turtle sent up from the swamp with the second lot of specimens from the Lees.

Almost entirely white, black on crown and between eyes, sordid white below. Eyes small, near together. Snout developed into a proboscis. Mandibles fleshy, skin loose. Remains of neck dirty black and much wrinkled.

Measurements:

Maximum width - $2\frac{1}{2}$

Between eyes - $\frac{1}{2}$

Width of proboscis - $\frac{5}{8}$

Length of proboscis - $\frac{1}{2}$

Snout to angle of mandibles - $2\frac{3}{4}$

Maximum height of head - $1\frac{3}{4}$

Trionyx ferox Schweigger. (Skull)

No. 6474.

Locality: Billy's Island. June 19, 1912.

Complete skull & soft-shelled turtle. Agrees with Boulenger's short description of skull (Brit. Mus. Cat. p. 259.).

Much weathered, somewhat mutilated, sutures distinct. Leng. very flat on top, occipital region with high sharp ridge. Occipital orbits almost circular. Nasal opening wider than high, median dorsal margin in blunt point. Cartilages of mandibles attached.

Measurements: Maximum length $3\frac{3}{4}$ in., maximum width $2\frac{1}{2}$ in., width between eyes $\frac{1}{4}$ in., diameter of sockets $\frac{5}{8}$ inches, distance from orbital to nasal opening $\frac{3}{8}$ inches, length of lower mandible $2\frac{1}{2}$ in., maximum width of lower mandible (posterior angle) $2\frac{1}{4}$ in., width of nasal opening $\frac{5}{8}$ in., distance between orbit and auditory cavity $\frac{3}{8}$ in., distance from orbit to margin ^{upper} of mandible $\frac{1}{2}$ in., ^{height} ~~width~~ of lower mandible (center) $\frac{1}{2}$ in., maximum height of head including both mandibles $1\frac{3}{4}$ in.

Erionyx ferot Schweigger (Carapace)

No. 6475

Locality: Billy's Island. No date label.

Carapace of soft-shelled turtle. Quite flat, yellowish white above, margin brown. Upper surface finely reticulated, sutures distinct. Ventral plates 7, roughly quadrangular; costal plates long and narrow extending outward, 8 on each side; anterior plate very broad. Marginal plates fused. Undersurface smooth, yellowish white; ribs prominent, broken at ends white, 8 on each side. Vertebrae fused with carapace, prominent; 9 vertebrae attached to this carapace.

Measurements:

Length - 9 in.

Width - $8\frac{1}{2}$ in.

Height - 2 in.

Trionyx ferox Schweigger (Carapace)

No. 6476.

Locality: Billy's Island. No date label.

Carapace of soft shelled turtle. Somewhat convex, mutilated at edges, much weathered. Upper surface white, finely reticulated, sutures distinct. Vertebral plates 8, costal 7 on each side, anterior very wide, marginal plates fused and brown, leathery. Undersurface smooth, yellow-white. Ribs prominent, fused in carapace, 8 on each side. Spinal column joined to carapace, 9 vertebrae attached.

Measurements:

Length - $8\frac{1}{2}$ in.

Width - $7\frac{1}{2}$ in.

Height - 2 in.

Trionyx ferox Schweigger (Young)

No. 6477.

Locality: Bell's Island, June 6, 1912.

Specimen about one year old as judged from the markings. Carapace soft, chocolate brown with black spots becoming obsolete. Irregular longitudinal rows of ^{small} tubercles on ventral and costal regions. Marginal area smooth, edged with white. Anterior tubercles well developed. Plastron sordid white with dark transverse band across middle and lateral margins nearly black; extreme posterior margin greenish. Plastron extends forward farther than the carapace, very short behind leaving almost all posterior fleshy parts exposed. Head entirely withdrawn into shell except snout. Snout long and white. Feet uniform black; three claws. Body grayish beneath. Tail short & very thick, sharply attenuated behind vent. Agrees with Sturman's figure (Reptile book, p. 76. Pl. 26) measurements.

Carapace:

Length - $3\frac{1}{8}$

Width - $2\frac{5}{8}$

Plastron.

Length - $2\frac{1}{2}$

Width - $2\frac{5}{8}$

Height of shell - $1\frac{3}{8}$.

Trionyx ferus Schweigger (Young)

No. 6478

Locality: Sweet water, June 5, 1912.

Small specimen. Carapace soft, brown, mottled with black spots; absolutely longitudinally rugose over ventral and costal regions, marginal area smooth and edged with white. Anterior end finely tuberculate. Plastron soft, slate colored, smooth, prolonged anteriorly, short posteriorly, soft parts of body exposed behind. Head black, mandibles faintly edged with white; snout long, whitish beneath. Neck long, skin loose & much wrinkled. Legs uniform black, three claws. Exposed posterior part of body gray-black. Tail short & thick, much attenuated behind the vent.

Measurements.

Carapace:

Length - $2\frac{1}{4}$

width - $1\frac{7}{8}$

Plastron:

Length - $1\frac{7}{8}$

width - $1\frac{7}{8}$

Height of shell - $\frac{5}{8}$

width of head - $\frac{3}{8}$

Triunges from Schweigger (Young)
Locality: Bili's Island. No date label.

No. 6479

Very small specimen received with the second lot of specimens from the swamp. Carapace gray-black, strongly marked with black spots, round and placed somewhat regularly. Carapace very finely, longitudinally rugose with tubercles longer than wide; marginal area smooth, brown, widely edged with white. Anterior tubercles very faint. Plastron soft, slate-colored, prolonged anteriorly, short posteriorly, soft parts of body largely exposed behind. Head black, small white spot before & between eyes, mandibles faintly edged with white. Neck long, skin loose & much wrinkled. Legs and under surface of body uniform black. Tail thick, short, much attenuated behind vent.

Measurements.

Carapace:

Length - $1\frac{5}{8}$

Width - $1\frac{3}{8}$

Plastron:

Length - $1\frac{3}{8}$

Width - $1\frac{3}{8}$

Height of shell - $\frac{1}{2}$

Width of head. $\frac{3}{8}$.

Trionyx ferox Schweigger (Young)
Locality: Billy's Island. No date label.

No. 6480

Very small specimen received in second lot from the swamps.
Carapace gray-black strongly marked with round black spots. Markings much more distinct when shell is wet. Ventral and costal regions finely, longitudinally rugose with broken lines of tubercles. Marginal area smooth, brown, broadly edged with white. Anterior tubercles very small. Plastron soft, slate-colored, two white spots, one on each side of median line. Plastron extends far forward, short behind leaving posterior fleshy parts exposed. Head, neck and underparts of body black. Snout long, white beneath, white spot at base of snout with white line from it to each eye.

Measurements.

Carapace:

Length - $1\frac{7}{8}$

Width - $1\frac{3}{8}$

Plastron:

Length - $1\frac{3}{8}$

Width - $1\frac{3}{8}$

Height of shell - $\frac{5}{8}$

Width of head - $\frac{3}{8}$

Trionyx ferox Schweigger (Eggs)

No. 6481

Locality: Billy's Island. June 1, 1912.

6 eggs of softshelled turtle found with 13 eggs of *Chelydrons* *floridana* and one egg of *Cristatemum pennsylvanicum*.

Almost round, orange-white, comparatively soft, surface somewhat granular. One egg is broken.

Measurements:

	1	2	3	4	5	6.
Diameter -	30½	31	31	31	31	Broken.

Grionyx perox Schweigger (Eggs)

No. 6482.

Locality: Floyd's Island. June 26, 1912.

17 eggs of soft-shelled turtle. Left without preservative in an old salt-bag and badly mutilated. All but ~~four~~ are broken and dried so that measurements and descriptions are impossible. The shells are weathered to a dirty orange-white. Shells thin, hard, dry, somewhat granular. Inside a snow-white membranous utericle. Contents are pulverized, dry, pinkish. The four whole eggs measure as follows:

	1	2	3	4.
Diameter.	30	31	31	32

Trionyx ferox Schweigger (Embryonic eggs)

No. 6483.

Locality: Bili's Island, June 18-20, 1912.

8 eggs of *Trionyx ferox* taken from a turtle on Bili's Island. The eggs are mature but shells are not hardened. Color light orange. Surface slightly rough. Eggs are shrunken and much indented from long soaking and dehydrating in alcohol and the skins somewhat wrinkled. They are about the size of the eggs after laying, the average diameter being 31 mm.

Trionyx ferox Schweigger (Embryonic eggs)

No. 6484

Locality: Billy's Island. No date label.

20 eggs taken from a *Trionyx ferox* ranging in size from 15 - 32 mm in diameter. One egg is fully matured with white, hard perfectly formed shell. The rest are without shells, soft and of a bright orange color. The sizes gradate from the smallest to the largest and with the complement are a number of very small, yellowish-white, undeveloped oovles.

Alligator mississippiensis. Bandin (Young)

Locality: Hydriolana River, Jan 27 1912.

Dark brown above with 15 transverse bands, yellow, beginning just back of head. Underparts, belly white. 5 distinct ventral tubercles on dorsal surface and sides, with roughy tubercles. Snout black. Head large. *Chefuvohue* alligators. Eye brown, black with yellow highlight. Not less between eyes. Sides of head white, finely dotted with black points. Under surface of head yellow. Tail covered with dorsal row of sharp flat scales, separating to form two distinct rows at base of tail. Legs brown, black with yellow markings.

Measurements

Length - $23\frac{1}{2}$ inches

Width of head - $1\frac{3}{4}$

Length to eye - 2

Length to vent - $10\frac{1}{2}$

Length to snout - 6

Length to nuchal of snout - $3\frac{1}{2}$

Alligator mississippiensis Daudin (Young)

No. 6486.

Locality: Floyd's Island Prairie. June 27, 1912.

Dark brown above with 15 transverse bands, yellow, beginning just back of head. Undersurface dirty white. 5 distinct crested tubercles on dorsal surface of neck. Sides of neck roughly tubercular, tubercles blunt. Head large, snout blunt; dorsal surface brown-black with yellow longitudinal line between eyes; sides of head white finely dotted with black points; undersurface of head yellow. Tail crested with dorsal row of sharp, flat scales separating to form two lateral rows at base of tail. Legs brown-black with yellow markings.

Measurements.

Length - $23\frac{1}{2}$ inches

Width of head - $1\frac{3}{4}$

Length to eye - 2 "

Length to vent - $10\frac{1}{2}$

Length to axilla - 6 "

Length to angle of mandible - $3\frac{1}{2}$

Alligator mississippiensis Daudin. (Young)

No. 6487

Locality: Bell's Island. July 15 - Nov 15, 1914.

Very small specimen. Black with 15 yellow transverse stripes, the first just back of the head. Head black above with longitudinal yellow band in middle and one on each side. Snout blunt and black. Dorsal interches obsolete. Tail with sharp dorsal crest branching at base and extending on sides to thighs. Undersurface sordid white marked on tail with black. Throat white. Lower mandible spotted with black.

Measurements:

Total length - $8\frac{1}{2}$

Width of head - $\frac{7}{8}$

Length to vent - 4

Length to eye - $\frac{5}{8}$

Length to apilla - 2

Length to angle of mandible - 1

Alligator mississippiensis Daudin. (Young)

No. 6488

Locality: Billys Island, July 15 - Nov. 15, 1914.

Very small specimen. Agrees in markings with No. 6487.

Measurements:

Total length - $9\frac{1}{4}$

Length to vent - $4\frac{1}{4}$

Length to eye - $\frac{3}{4}$

Length to apilla - $2\frac{3}{8}$

Length to angle of mandible - $1\frac{1}{8}$

Width of head - $\frac{7}{8}$

Alligator mississippiensis Sandie (Young),

No. 6489

Locality: Billy's Island, July 15 - Nov 15, 1914.

Very small specimen. Colors and markings normal.

Measurements:

Total length - $9\frac{1}{4}$

Length to vent - $4\frac{1}{4}$

Length to eye - $\frac{3}{4}$

Length to apilla - $2\frac{3}{8}$

Length to angle of mandible - $1\frac{1}{8}$

Width of head - $\frac{7}{8}$

Alligator mississippiensis Dandini (Young)

Locality: Billys Island, July 15 - Nov 15, 1914.

Very small specimen. No variation.

Measurements:

Total length - 9

Length to vent - $4\frac{1}{8}$

Length to eye - $\frac{5}{8}$

Length to apilla - $2\frac{3}{8}$

Length to angle of mandibles - 1

Width of head - $\frac{7}{8}$

Alligator mississippiensis Daudin (Young)

No. 6491

Locality: Bilby's Island. July 15 - Nov. 15, 1914.

Very small specimen. No variations.

Measurements:

Total length - $9\frac{3}{8}$

Length to vent - $4\frac{1}{4}$

Length to eye - $\frac{3}{4}$

Length to apella - $2\frac{1}{4}$

Length to angle of mandible - $1\frac{1}{8}$

Width of head - $\frac{7}{8}$

Alligator mississippiensis Sandin (Young)

No. 6492.

Locality: Billy's Island, July 15 - Nov. 15, 1914.

Very small specimen. No variations.

Measurements:

Total length - $9\frac{1}{4}$

Length to vent - $4\frac{1}{4}$

Length to eye - $\frac{3}{4}$

Length to axilla - $2\frac{3}{8}$

Length to angle of mandible - $1\frac{1}{8}$

Width of head - $\frac{7}{8}$

Alligator mississippiensis Daudin (Eggs)

No. 6493.

Locality Billy's Island. No date label.

20 alligator eggs taken from large female. Eggs fully matured and ready for depositing. 5 are whole the rest broken. Gray with finely granular coating which rubs off. Oblong. ends blunt. Shells thin, soft not brittle. Contents reddish yellow, granular.

Measurements:

	1	2	3	4	5.	Rest broken.
Length -	$3\frac{1}{8}$	$2\frac{7}{8}$	$2\frac{3}{4}$	$3\frac{1}{8}$	3	
Diameter -	$1\frac{5}{8}$	$1\frac{9}{16}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{5}{8}$	

Shells of all are more or less indented.

Alligator mississippiensis Daudin (Eggs)

No. 6494

Locality: Billys Lake. June 11, 1912.

42 eggs from female $8\frac{1}{2}$ ft long. Bishop has the skin of this alligator. A large male about 11 ft long was with the female but was not taken.

The eggs are almost spherical, without shells, covered with soft pliable skin and shreds of white connective tissue. Color deep orange. The average diameter is $1\frac{3}{4}$ inches.

Alligator mississippiensis Daudin (Portion of jaw-bone)

Locality: Billy's Island. No date label.

A portion of the right side of the lower jawbone of an alligator. Broken at distal end and much weathered. Proximal fossae distinct. Distal portion in two prongs, the lower heavy and bearing a strong median projection internally.

Alligator mississippiensis ^{Haudin (plate)}
~~*Macroclawys thomasi* Troost.~~

No. 6469.

Locality: Billy's Island. No-date label.

Small hand plate probably from the ^{skeleton of an alligator.} shell of an "alligator scupper".
Sub-circular, calcareous; one side smooth and depressed in center,
on the other with a high ridge in the center and deeply pitted
with irregular holes.

Measurements.

Longest diameter - 5 cm.

Shortest diameter - $3\frac{1}{2}$ cm.

Height including ridge - $1\frac{1}{2}$ cm.

